

1. Record Nr.	UNINA9910780400203321
Autore	Wallis Rodney <1933->
Titolo	How safe are our skies? [[electronic resource]] : assessing the airlines' response to terrorism / / Rodney Wallis
Pubbl/distr/stampa	Westport, Conn. : , : Praeger, , 2003 New York : , : Bloomsbury Publishing (US), , 2024
ISBN	979-84-00-66670-4 1-280-46904-8 9786610469048 0-313-01560-0
Descrizione fisica	1 online resource (208 p.)
Disciplina	363.12/4
Soggetti	Aeronautics, Commercial - Passenger traffic Aeronautics, Commercial - United States - Security measures Airports - Security measures Hijacking of aircraft - Prevention Terrorism - Prevention
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 193-194) and index.
Nota di contenuto	18188_ch00.1.tp; 18188_ch00.3_5.tp; 18188_ch00.7.tp; 18188_ch00.9.tp; 18188_ch01.001_100.tp; 18188_ch01.101_129.tp; 18188_ch01.131_192.tp; 18188_ch02.193_194.tp; 18188_index.195_201.tp; 18188_index.203.tp
Sommario/riassunto	Wallis considers the Aviation and Transportation Security Act adopted by the U.S. Congress in the wake of September 11, 2001, and offers a modus operandi to the FAA.

2. Record Nr.	UNINA9910957680403321
Titolo	Environmental modelling : new research / / Paul N. Findley, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-61728-411-4
Edizione	[1st ed.]
Descrizione fisica	1 online resource (250 p.)
Altri autori (Persone)	FindleyPaul N
Disciplina	577.01/5118
Soggetti	Environmental sciences - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- ENVIRONMENTAL MODELLING:NEW RESEARCH -- CONTENTS -- PREFACE -- EXPERT COMMENTARY -- ADVANCES IN SPACE-TIME TECHNOLOGY FORASSESSING HUMAN EXPOSURE TO ENVIRONMENTALCONTAMINANTS -- Abstract -- Introduction -- Space-Time Software Systems -- Space-Time Datasets for Exposure Assessment -- Example Applications of Space-Time Exposure Reconstruction -- Conclusion -- References -- RESEARCH AND REVIEW STUDIES -- BAYESIAN BELIEF NETWORKS IN ENVIRONMENTALMODELLING: A REVIEW OF RECENT PROGRESS -- Abstract -- Introduction -- Description of a BBN -- Literature Search Methods -- Domains -- Network Structure -- Obtaining Conditional Probabilities -- Model Testing -- Sensitivity Analysis -- Use of BBNs to Support Decision-Making -- Advantages of BBNs -- Limitations of BBNs -- Conclusions and Forward Look -- Acknowledgements -- References -- EOF REGRESSION ANALYTICAL MODELWITH APPLICATIONS TO THE RETRIEVALOF ATMOSPHERIC TEMPERATURE AND GASCONSTITUENTS CONCENTRATION FROM HIGHSPECTRAL RESOLUTION INFRAREDOBSERVATIONS -- Abstract -- 1. Introduction -- 2. Mathematical Theory -- 3. EOF Based Regression Algorithm -- 3.1. Data and Parameters Space, Training Data Set and Basic Definitions -- 3.2. How Many Principal Components Do We Need to Extract? -- 3.3. The System of Regression Coefficients -- 3.3.1. Bias and Second Order Statistics of the Retrieval -- 3.3.2. Assessing the Vertical Spatial Resolution of the Retrieval, the Index iD -- 4. Implementation with Simulated Data and Assessment of theRetrieval Performance -- 4.1.

More on "How Many Components do We Need to Extract?" -- 4.2. Values of the Retrieval Interdependency Index, iD -- 5. Application to Real Observations -- 5.1. CAMEX/3 Experiment -- 5.2. EAQUATE Experiment -- 5.3. IASI Tropical Soundings -- 6. Conclusion -- Acknowledgment -- References.

COMOVEMENT AND CYCLICAL PATTERNS OF SOUTHERN PINE BEETLE OUTBREAKS -- Abstract -- 1. Introduction -- 2. Methods and Data -- 2.1. Measuring Infestation Risk -- 2.2. Assessing Comovement -- 2.3. Assessing Cyclical Patterns -- 3. Results -- 3.1. Infestation Risk -- 3.2. Comovement -- 3.3. Cyclical Patterns -- 4. Concluding Remarks -- References --

TRENDS IN MODELLING OF RADIONUCLIDE UPTAKE BY PARTICULATE MATTER IN THE MARINE ENVIRONMENT USING BOX MODELS -- Abstract -- I. Introduction -- II. Theory of Ion Exchange between Water and Suspended Particles -- III. Development of Kinetic Box Models -- III.1. The One-Step Reversible Reaction -- II. Theory of Ion Exchange between Water and Suspended Particles -- III. Development of Kinetic Box Models -- III.1. The One-Step Reversible Reaction -- III.2. The Two-Step Model -- III.3. The Three-Step Model -- IV. Applicability of Box Models -- Strontium -- Americium -- Plutonium -- V. Conclusion -- References --

SPATIAL DOWN-SCALING AS A TOOL TO IMPROVE MULTIFUNCTIONALITY INDICATORS IN ECONOMIC MODELS -- Abstract -- 1. Introduction -- 2. Methods -- 2.1. The CAPRI Model -- 2.2. Regional Down-Scaling -- 2.3. Meta-model of DNDC -- 2.3. Meta-model of DNDC -- 3. Indicators -- 4. Indicator Performance -- 5. Technical Solution -- 6. Conclusion -- Acknowledgements -- References --

ADAPTIVE CONTROL METHODOLOGY AND SOME APPLICATIONS IN ENVIRONMENTAL MODELLING -- Abstract -- 1. Introduction -- 2. Adaptive Control Methodology -- 2.1. The Methodology -- 2.2. Environmental Modelling with ACM -- 3. A Sustainability Case Study -- 3.1. Background -- 3.2. The Initial Policies in 'NOW - 5 years' -- 3.3. Monitoring 'NOW' the Initial Policies -- 3.4. Revisiting 'NOW' the Initial Policies -- 4. Conclusion -- References --

PREDICTION OF SEDIMENT SOURCE AREAS WITHIN WATERSHEDS AS AFFECTED BY SOIL DATA RESOLUTION -- Abstract -- Introduction. Description of SWAT -- STATSGO versus SSURGO -- Study Area within the Elm River Watershed -- Study Area within the Cowhouse Creek Watershed -- Model Set up -- Assessment Method -- Results and Discussion -- Calibrated Models -- Predicted Sediment -- Conclusions -- Acknowledgement -- References --

LANDSLIDE MODELING -- Abstract -- 1. Introduction -- 2. Landslide Mapping -- 3. Physically-Based Landslide Models -- 3.1. Factor of Safety (FS) -- 3.2. Critical Rainfall Model -- 4. Statistical Landslide Model -- 4.1. Bivariate Analysis -- 4.2. Multivariate Analysis -- 5. Model Validation -- 6. Examples of Landslide Models -- 6.1. A Critical Rainfall Model -- 6.2. A Certainty Factor Model -- 6.3. A Logistic Regression Model -- 7. Conclusion -- References --

SPATIAL MODELLING OF GROUNDWATER POLLUTION USING A GIS -- Abstract -- Introduction -- Study Area -- Geology and Hydrogeology -- Material and Methods -- Sampling and Analysis -- GIS Approaches -- Multivariate Analysis -- Results -- 1. Physico-Chemical Parameters -- 2. Cation Chemistry -- 3. Anion Chemistry -- 4. Heavy Metals Distributions in Groundwater Samples -- 5. Multivariate Analysis -- 6. GIS Analysis -- Conclusion -- References -- INDEX.

Sommario/riassunto

Environment models seek to re-create what occurs during some event in nature. It is much easier and practical to create computer models to run certain experiments than it is to go out and do the same experiment again and again. Computer models take equations which

were usually formulated through testing under natural conditions, and put them into computer programs where they can be run quickly and easily. A model can then output the results of doing these equations into a form which can be output to a screen for the user to view. The aim is to improve the capacity to represent, understand, predict or manage the behaviour of environmental systems at all practical scales. This new book presents the latest research from around the globe.
